

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H04N 7/167		A1	(11) International Publication Number: WO 99/33271
			(43) International Publication Date: 1 July 1999 (01.07.99)
<p>(21) International Application Number: PCT/IB98/02139</p> <p>(22) International Filing Date: 23 December 1998 (23.12.98)</p> <p>(30) Priority Data: 97403150.2 23 December 1997 (23.12.97) EP</p> <p>(71) Applicant (for all designated States except US): CANAL+ SOCIETE ANONYME [FR/FR]; 85/89, quai Andre Citroen, F-75711 Paris Cedex 15 (FR).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): TRANCHARD, Lionel [FR/FR]; 18, rue Martin Bernard, F-75013 Paris (FR). DECLERCK, Christophe [FR/FR]; 3, rue des Ormes Dancourt, F-28210 Senantes (FR).</p> <p>(74) Agents: COZENS, Paul, Dennis et al.; Mathys & Squire, 100 Grays Inn Road, London WC1X 8AL (GB).</p>		<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p>	

(54) Title: SCRAMBLING UNIT FOR A DIGITAL TRANSMISSION SYSTEM

(57) Abstract

An independant scrambling unit (1) for a digital audiovisual transmission system, the scrambling unit (1) comprising an input for receiving an assembled transport packet stream from a physically seperate multiplexer (4), a scrambling device for scrambling the received transport stream according to a randomising control word and an output for sending the scrambled transport stream to a transmitter means for subsequent transmission. The scrambling unit (1) may also be used to introduce other packet data in the data stream.

